

ABSTRACT

An episode classification system including a multitude of diagnosis records is disclosed. Each of the diagnosis records may include diagnoses information, time of diagnoses information, and patient information. A patient grouper may generate at least one patient group by grouping patient records having similar patient information. A diagnosis grouper may generate at least one diagnosis group from a patient group by grouping patient records from a patient group that have similar diagnosis information. An episode analyzer may include a probability analyzer, an episode grouper, and a severity analyzer. The probability analyzer may perform probability calculations capable of generating a probability value using at least two of the diagnosis records as input entries. The probability value may represent the probability that the input entries belong to a single episode. The episode grouper may group diagnosis records determined to belong to a single episode. The severity analyzer may perform episode severity calculations capable of generating an episode severity value.